

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2004/007403

A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl⁷ A61K47/10, 45/00, 47/14, 31/05, 31/192, 31/196, 31/235,
31/381, 31/40, 31/403, 31/416, 31/423, 31/53, 31/5415,
A61P17/00, 29/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl⁷ A61K47/10, 45/00, 47/14, 31/05, 31/192, 31/196, 31/235,
31/381, 31/40, 31/403, 31/416, 31/423, 31/53, 31/5415,
A61P17/00, 29/00

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
REGISTRY (STN), CAPLUS (STN), EMBASE (STN), MEDLINE (STN)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	JP 9-169658 A (Pola Chemical Industries Inc.), 30 June, 1997 (30.06.97), Particularly, Par. Nos. [0002] to [0003], [0009] (Family: none)	1-4, 10, 11, 13
Y	JP 2002-104922 A (Beiersdorf AG.), 10 April, 2002 (10.04.02), Particularly, Par. Nos. [0010] to [0028] & EP 1174109 A2 & US 2002/045596 A1	1-4, 10, 11, 13
Y	EP 1146111 A1 (THE PROCTER&GAMBLE CO.), 17 October, 2001 (17.10.01), Particularly, Par. No. [0108] & WO 2001/079409 A1 & US 2003/0083222 A1	1-4, 10, 11, 13

☒ Further documents are listed in the continuation of Box C.☐ See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"I" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search
24 August, 2004 (24.08.04)

Date of mailing of the international search report
14 September, 2004 (14.09.04)

Name and mailing address of the ISA/
Japanese Patent Office

Authorized officer

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2004/007403

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 2002/102376 A1* (PHARMACIA CORP.), 27 December, 2002 (27.12.02), Particularly, page 18, lines 8 to 20 & AU 2002/254609 A1	1-4, 10, 11, 13
Y	PEURTAS-MEJIA M., HILLEBRAND S., STASHENKO E., WINTERHALTER P., in vitro radical scavenging activity of essential oils from Columbian plants and fractions from oregano (Origanum vulgare L.) essential oil, FLAVOUR AND FRAGRANCE JOURNAL, 2002, Vol. 17, No. 5, pages 380 to 384, all references, particularly, page 384, table 2	1-4, 10, 11, 13
Y	JIMENEZ J., NAVARRO M.C., NOCTILLA M.P., MARTIN A., MARTINEZ A., Thymus zygis Oil: Its Effects on CCL4-Induced Hepatotoxicity and Free Radical Scavenger Activity, Journal of Essential Oil Research, 1993, Vol. 5, No. 2, pages 153 to 158, all references, particularly, page 157, table 3	1-4, 10, 11, 13
Y	JP 8-283150 A (Kao Corp.), 29 October, 1996 (29.10.96), All references (Family: none)	5-9
P, Y	RUIZ J., PEREZ C., POUPLANA R., QSAR Study of Dual Cyclooxygenase and 5-Lipoxygenase Inhibitors 2,6-di-tert-Butylphenol Deriva tives, Bioorganic & Medicinal Chemistry, September, 2003, Vol. 11, No. 19, pages 4207 to 4216, all references, particularly, page 4209, table 1; page 4210, table 2	5-9
Y	AZUMA Y., OZASA N., UEDA Y., TAKAGI N., Pharmacological Studies on the Anti- inflammatory Action of Phenolic Compo unds, Journal of Dental Research, 1986, Vol. 65, No. 1, pages 53 to 56, all references, particularly, page 54, Fig. 1, table 1	5-9
Y	Supervised by Kazutomo IMAHORI, Tamio YAMAKAWA, Seikagaku Jiten 3rd edition, Tokyo Kagaku Dojin, 1998, page 233	5-9
A	JP 2001-106686 A (Pfizer Products Inc.), 17 April, 2001 (17.04.01), Particularly, Par. Nos. [0009] to [0010] & EP 1081144 A2 US 6239285 B1	5-9

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	JP 8-104636 A (Senju Pharmaceutical Co., Ltd.), 23 April, 1996 (23.04.96), All references (Family: none)	1-11, 13
A	JP 7-304670 A (Senju Pharmaceutical Co., Ltd.), 21 November, 1995 (21.11.95), All references, particularly, Par. Nos. [0038] to [0040], example 3 & EP 672414 A2 & US 5856345 A	1-11, 13
A	WO 2002/007698 A1 (BASF ANTIENGESELLSCHAFT), 31 January, 2002 (31.01.02), Particularly, page 1, lines 14 to 29 & EP 1307179 A2	1-11, 13
A	JP 2002-128701 A (Sankyo Co., Ltd.), 09 May, 2002 (09.05.02), Particularly, Claims; examples 8 to 13 (Family: none)	10-11